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Uncla.

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Uncl.

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Vol. 7, No. 6, June 1959.

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Uncl.

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dr med. Janusz Makowski. Szczecin, Al. Powstancow 72 Zaklad, Patol.
Ogolnej i Doswiad. P. A. M.
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1. Head of Laboratory of the Office for Design and Technology
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(MESOTHELIOMA, case reports,
pericardium (Pol))

(PERICARDIUM, neoplasms,
mesothelioma, case (Pol))

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(HEART BLOCK, diag.

bundle branch block, differentiation of various types
by vectorcardiography (Pol))

(VECTORCARDIOGRAPHY, in various dis.

bundle branch block, differentiation of various types
(Pol))

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(TUBERCULOSIS, CUTANEOUS, blood in
protein fractions, eff. of isoniazid, streptomycin & vitamin
D₂ ther. (Pol))
(VITAMIN D, ther. use
D₂ in tuberc., cutaneous, eff. on blood proteins (Pol))
(BLOOD PROTEINS, in various dis.
tuberc., cutaneous, eff. of isoniazid, streptomycin &
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doc. dr med. J. Makowski.

(TUBERCULOSIS MENINGEAL blood)

(TUBERCULOSIS MENINGEAL csf)

(PROTEINS csf)

(BLOOD PROTEINS)

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Uncl.

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ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION																			
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38133. MACHTIN, D.

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Cheese

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5(1) PAGE 1 10% EXPLANATION 800/2827

Yaroslavl, Technological Institute
Dzhanyo Zepiski, Tom II (Scientific Notes, Vol. 2)
Yaroslavl, 1971, 100 pages, 100 copies printed.
For details see the list of references.
Editorial Staff: A. I. Zhukovskiy, Candidate of Historical Sciences; Docent
M. M. Makarov, Candidate of Technical Sciences; Professor M. I. Farberov,
Doctor of Technical Sciences;

Prof. M. I. Farberov, Doctor of Chemical Sciences
Secretary-Scientist: B. F. Ustevichikov, Candidate of Chemical Sciences
PURPOSE: This book is primarily intended for industrial chemists and tech-
nologists interested in the kinetics of chemical reactions and their re-
lated physical processes.

CONTENTS: The twenty-two articles of this collection deal mainly with in-
dustrial processes for the preparation of organic compounds, problems of
heat transfer and chemical equipment. No personalities are mentioned. References
are given after each article.

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MACHINA, K D

12-11-1957

AUTHORS: Farberov, M. I. , Mac tina, K. A.

TITLE: Synthesis of Methylpentadiene by Means of Isobutylene and Acetic Aldehyde (Sintez metilpentadiyena na osnove izobutilena i atssetal' degida)

PERIODICAL: Zhurnal Obshchey Khimii, 1957, Vol. 27, Nr 11, pp.3001-3005 (USSR)

ABSTRACT: Methylpentadiene is commercially little accessible. The method where methylpentadiene is obtained from acetone over a number of stages of development seems to be the only method of a certain industrial importance. But industry has a certain interest in this product, as its polymers and copolymers are characterized by a number of valuable properties. In the present paper it is shown that methylpentadiene with a 75 % yield, calculated on the basis of decomposed tetramethyldioxane, is obtained on passage of alkyl-dioxane together with water-vapors at 300 - 325°C over a phosphate-catalyst. It is possible that two isomeric dienes, 2-methylpentadiene-1,3 and 4-methylpentadiene-1,3 whose properties are little different, form in the contact-decomposition. The quantitative determination of the mixture of isomers is based on the different behavior toward the maleic acid anhydride, where the presence of an inhibitor causes a complete separation of the isomers (45 - 55%).

Card 1/2

79-11-19/56

Synthesis of Methylpentadiene by Means of Isobutylene and Acetic Aldehyde

Thus a mixture of isomers of methylpentadiene with a 75 % yield was obtained in the contact-decomposition of 2,4,4,6-tetramethyldioxane. Beside the dienes some isomers of the methylpentenols were produced. A reaction mechanism is suggested. There are 3 figures, 1 table, and 10 references, 9 of which are Slavic.

ASSOCIATION: Yaroslavl' Technological Institute
(Yaroslavl'skiy tekhnologicheskii institut)

SUBMITTED: November 19, 1956

AVAILABLE: Library of Congress

1. Methylpentadiene-Synthesis
2. Diene synthesis
3. Isobutylene-Chemical reactions
4. Acetic aldehyde-Chemical reactions
5. Tetramethyldioxane-Decomposition

Card 2/2

AUTHORS: Farberov, M. I., Machtina, K. A., Kryukov, S.I., 20-114-4-35/63

TITLE: Two Methods for a Commercial Scale Production of Methylpentadiene (Dva metoda tekhnicheskogo sinteza metilpentadiyena)

PERIODICAL: Doklady Akademii Nauk SSSR, 1957, Vol. 114, Nr 4, pp. 807-810 (USSR)

ABSTRACT: Hitherto methylpentadiene is a commercially little accessible diene. The only method of some technical value was proposed by American authors and produces methylpentadiene from acetone. Because of the properties of its polymers and co-polymers methylpentadiene is of a certain interest. The present paper describes two methods of its technical synthesis. 1.) The authors thoroughly investigated the interaction reactions of olefines with aldehydes. Thus the chief reaction product from the interaction of isobutylene and acetaldehyde in the presence of 1-2% sulphuric acid is 2,4,4,6-tetramethyldioxane-1,3 (denoted TMD/I/ in the following; 90% yield of the aldehyde reacted through). Published works report that the alkyldioxanes-1,3 may be serve as initial substances for the dienesynthesis. The authors' experiments proved that by the passage of TMD with vapor over a ca-

Card 1/3

Two Methods for a Commercial Scale Production of Methyl-
pentadiene

20 114-4-35/63

talyst, metapentadiene with a 75% mol. yield of the decomposed TMD/I/ is obtained. On this occasion two isomeric dienes develop: 2-methylpentadiene-1,3/II/ and 4-methylpentadiene-1,3/III/. Their physical properties are very similar. Their quantitative determination in the mixture is based upon their different behaviour towards maleic anhydride: II gives an adduct, III a co-polymer. In the presence of inhibitors the polymerization inclination of III may be suppressed, so that it can be separated from II. II and III were obtained in the proportion 45:55. Beside methylpentadiene a small amount (3%) of a mixture of two isomeric methylene pentanols (IV and V) results from contact cracking. There occurs also a cracking reaction of I, giving the original substances: acetaldehyde and isobutylene. A diagram of contact cracking of TMD/I/ in time is given in the paper. The water apparently participates in the reaction and favours the hydrolysis of I into an intermediate diol on the surface of the catalyst. In the moment of its formation VI dehydration under liberation of one or two water molecules and under according formation of a mixture of two isomeric methylpentanols IV,V or dienes II,III. 2) The second technical method of methylpentadiene synthesis is the dehydration of the

Card 2/3

Two Methods for a Commercial Scale Production of Methyl-
pentadiene

20-114-4-35/63

propylene-dimer: 2-methylpentene-1/VII/. The experiments with catalytic dehydration of VII show that methylpentadiene can be produced in this manner. Here, too a mixture of the isomers II and III is obtained in about the same amounts and with a yield of 35-38% of the VII sent through and 70-75% of the VII decomposed. There are 2 figures, 2 tables, and 11 references, 4 of which are Soviet.

ASSOCIATION: Yaroslavl' Technological Institute (Yaroslavskiy tekhnologicheskiy institut)

PRESENTED: January 15, 1957 by I. N. Nazarov, Member, Academy of Sciences, USSR

SUBMITTED: November 14, 1956

Card 3/3

CHERNYAKOVSKIY, F.P.; MACHTINA, K.A.; MUSABEKOV, Yu.S.

Using the magnetic method for investigating the properties of
the crystals of dyes from the malachite green group. Khim.
i khim. tekhn. 1:247-254 '62. (MIRA 17:2)

BASAYEV, R.M.; MACHTINA, K.A.; CHERNYAKOVSKIY, F.P.; MUSABEKOV, Yu.S.

Electronic paramagnetic resonance of alizarin dyes.
Khim. i khim. tekhn. 1:259-261 '62. (MIRA 17:2)

CHERNYAKOVSKIY, F.P.; MACHTINA, K.A.; MUSABEKOV, Yu.S.

Magnetochemical study of the structure of certain multinuclear
aromatic systems. Zhur. fiz. khim. 36 no.4:865-868 Ap '62.
(MIRA 15:6)

1. Yaroslavskiy tekhnologicheskii institut.
(Magnetochemistry) (Aromatic compounds)

MACHU, Jiri

Automatic circuits for radioactivity measurement. Jaderna
energie 6 no.9:303-311 S '60.

1. Katedra fyziky lekarske fakulty Karlovy university, Hradec
Kralove

MACHUDER K., Andrzej

regresja respiracyjna / ... w następstwie ...
modyfikacja ...
40-134 S-0 101

1. Klinika Neurologii z ...
(...)

VAL'CHUK, G.I. [Val'chuk, G.I.]; GORB, M.L. [Gorb, M.L.]; KACHUGOVSKIY,
B.M. [Kachugovskiy, B.M.]

Self-hardening plastics to substitute for antifriction metal
compounds in the manufacture of food machinery. Khar. prom.
no.3:42-45 11-2 '65. (MIRA 18:19)

18(5), 8(4)

SOV/112-59-5-10385

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 5, p 277 (USSR)

AUTHOR: Sal'tsevich, L. A., Bezdudnyy, V. G., and Machugovskiy, N. B.

TITLE: Using Pneumatic-Electric Luminaires at Mines Under Construction

PERIODICAL: Shakhtnoye str-vo, 1958, Nr 3, pp 29-32

ABSTRACT: Pneumatic-electric mine-type luminaires are described, and results of their testing are reported. A pneumatic-electric luminaire comprises a light source in a glass envelope protected by a metal screen, a generator and a small turbine driven by the compressed air taken from the general-purpose mine line. It is noted that the incandescent-lamp luminaires imported from East Germany are not safe in a methane-air atmosphere and can be used only if their reliability is increased. They do not secure a constant voltage on the lamps which results in quick burnouts (2-3 shifts). The Laboratory of Mine Lighting MAKNI has developed a luminescent-tube luminaire. The 15-w tube can be lit up without preheating of electrodes and is supplied by 1,000-cps,

Card 1/2

SOV/112-59-5-10385

. Using Pneumatic-Electric Luminaires at Mines Under Construction

400-v (at no-load) generator. The no-preheating feature ensures explosion safety of the luminaire. Tests of 25 luminaires at the "Kapital'naya" mine, Makeyevshakhtostroy, showed their high quality and permitted recommending them for batch production.

A.A.M.

Card 2/2

SAL'TSEVICH, L.A., kand. tekhn. nauk; MACHUGOVSKIY, N.B., inzh.

Local lighting for loading machines. Ugol' 34 no.9:26-28 S. '59.
(MIRA 12:12)

(Mining machinery) (Fluorescent lamps)

MACHUGOVSKIY, N.B., inzh.

Stabilizing light intensity in pneumatic electric lamp.
Ugol' 34 no.9:29-30 S '59. (MIRA 12:12)
(Mine lighting)

BIBIKOV, I.; DEREVIANKO, K.; KAZACHKO, V.; KIRICHENKO, I.; KUCHER, N.;
MACHUKHO, A.; NABATNIKOV, P.; SOKOLOV, B.; SIVOKON'Ya, US, V.;
SHCHIGALEV, V.; BURAVENKO, N.; KOVSHAROV, S.; SOKOLOV, S.;
ZAGORUL'KO, S.; TSYBA, M.; FOMENKO, I.; LYAKHOVETSKIY, M.

Let us help farmers grow an abundant crop. Grazhd. av. no.3:3
Mr '61. (MIRA 14:3)

(Aeronautics in agriculture)

EXCERPTA MEDICA Sec 8 Vol 9/10 Neurology Oct. 56

4280. MACHULA F. and SCHWARTZOVÁ K. Neurol. Klin., Plzen. •Neurologické projevy plicních karcinomů. Neurological symptoms in lung cancer ČAS. LÉK. ČES. 1955, 94/41 (1091-1093)

Among 2,943 autopsies, lung cancer was found in 120 cases (4.07%). Excluding the subjects under 20 yr. of age, the percentage was 5.60%. Recently, the incidence of lung cancer seems to have risen. Of these 120 cases, 69 did not present any sign of the nervous system having been affected. Twenty-nine patients presented various neurological symptoms. In the remaining patients, autopsy revealed affections of the CNS, or of the axial skeleton. In only 3 cases did the primitive tumour cause neurological symptoms. In one case, the tumour penetrated into a vertebra without engendering neurological signs. In the remaining cases, the symptoms were caused by metastasis. Their localization was 9X supratentorial, 6X infratentorial, 8X both supra- and infratentorial; in 5 cases, the meninges had been permeated. In 2 cases, the metastases were located inside the vertebral canal although extramedullarily, while they penetrated into the cranium 3X and, in 21 cases, into the vertebrae. There were numerous metastases in the viscera. In 5 cases double tumours were found.

Roth - Prague (VIII, 5, 15, 16)

TUREK, Bohuslav, MUDr.; MACHULA, Frantisek, MUDr.; MACEK, Milan, MUDr.

~~CLINICO-HISTOLOGICAL STUDIES ON TWO CASES OF LEPROSY~~
Leprosy; clinico-histological studies on two cases. Cesk. neur.
19 no.1:42-58 Mar 56.

1. Vedouci dermatovenerologického oddeleni (Turek)
2. Vedouci neurologického oddeleni (Machula)
3. Vedouci prosektury (Macek)
4. Nemocnice Cs. Cerveneho krize v Condizinu (sev. Korea)
(LEPROSY, case reports,
(Cs))

MACHULA, Frantisek

Subakutni encefalitis s intranuklearnimi inklusemi. (Subacute Encephalitis with Intranuclear Inclusions. German and Russian summaries. illus., bibl.) Authors: F. Machulã, K/vetoslava/ Schwartzova, A/lexandr/ Schwartz. Prague, SZdN, 1957. 35-67 p. No. 361 of the series Thomayerova sbirka prednasek a rozprav z oboru lekarskeho (Thomayers Collection of Lectures and Discussions on Medicine)

Observation of several unusual cases of encephalitis in children and young persons; they are characterized by a subacute lethal course and by interesting histological diagnoses (Encephalitis inclusiva Dawsoni, Leucoencephalitis sclerotisans subacuta Bogaerti, and Panencephalitis nodosa Pette-Doring).

Bibliograficky katalog, CSR, Ceske knihy, No. 30. 3 Sept 57. p. 651.

LACIGA, Z.; MACHULA, F.

Cerebrospinal fluid protein changes in epilepsy. Cesk. neur. 22 no.2:
92-100 Mar 59.

1. Neurologická klinika v Plzni, prednosta prof. dr. V. Pitha.
(EPILEPSY, CSF in
proteins (Cz))
(PROTEINS, IN CSF,
in epilepsy (Cz))
(CEREBROSPINAL FLUID, in var. dis.
epilepsy, proteins (Cz))

MACHULA, Frantisek

Ventricular cerebral bleeding. Acta univ. carol. [Med] Suppl. 15:
155-159 '61.

1. Neurologická klinika lékařské fakulty University Karlovy se sídlem
v Plzni, přednosta prof. MUDr. V. Pitha.
(CEREBRAL HEMORRHAGE)

LACIGA, Z.; MACHULA, F.; SCHWARTZOVA, K.

Vascular accidents of the brain in younger subjects. Acta univ.
carol. [Med] Suppl. 15:161-166 '61.

1. Neurologicka klinika lekarske fakulty University Karlovy se sidlem
v Plzni, prednosta prof. MUDr. V. Pitha.
(CEREBROVASCULAR DISORDERS)

FISAROVA, M.; MACHULA, Fr.; SOLC, J.

Neurological sequelae of severe diarrheas in infants. Cesk. pediat.
17 no.10:874-880 0 '62.

1. Neurologická klinika lékařské fakulty Karlovy university v Plzni,
prednosta prof. dr. V. Pitha Dětská klinika lékařské fakulty Karlovy
university v Plzni, prednosta doc. dr. J. Lukes.

(DIARRHEA INFANTILE) (PARALYSIS) (HYDROCEPHALUS)

MACHULA, JAROSLAV

Ochrana zboží při dopravě. Praha, Československá pojistovna, 1952. 19 P.
(Knížnice zabrány škod) (Protection of goods during their transportations)

SO: Monthly Index of East European Accessions (EEAI) Vol. 6, No. 11 November 1957

DELMAROVA, Viera, inz.; MACHU, Ludmila; MALINOVSKY, Milan, doc., inz., CSc.;
MONCMANOVA, Anezka, inz.

Titration determination of the microquanta of fluoride ions.
Chem zvesti 17 no.10/11:787-794 '63.

1 Katedra anorganickej technologic, Slovenska vysoka skola
technicka, Bratislava, Kollarovo namesti 2.

MACHULA, V.I.

BOGATSKIY, Yu.F.; MACHULA, V.I.; IVANOV, V.F.

Cleaning filter press plates and frames by a chemical method.
Sakh.prom. 28 no.4:30 '54. (MLRA 7:7)

1. Pivnenkovskiy sakharney zavod.
(Sugar machinery)

MACHULA, V.I.; KOROBKO, V.Ye.

Contribution of the efficiency promoters of our factory. Sakh.
prom. 36 no.9:48-49 S '62. (MIRA 16:11)

1. Sakharnyy zavod im. gazety "Pravda".

GNUTENKO, M. P.; MACHULINA, N. A.

Selecting active races of lactic acid bacteria for the ensilage
of corn. Uch. zap. Sar. un. 64:127-130 '59. (MIRA 13:9)

(Lactic acid bacteria) (Ensilage) (Corn (Maize))

MACHULIS, (MACIULIS), P.

USSR/Chemical Technology - Chemical Products and Their Application. Fats and Oils. Waxes. Soap. Detergents. Flotation Reagents. I-10

Abs Jour : Ref Zhur - Khimiya, No 1, 1958, 2715

Author : Machulis [Maciulis] P.

Inst : Vilnius University

Title : Determination of Rancidity of Linseed Oil by the Spectrophotometric Method.

Orig Pub : Uch. zap. Vil'nyussk. un-t. Ser. matem., fiz. i khim. n., 1956, 6, 83-91

Abstract : It is pointed out that chemical methods and organoleptic evaluation make it possible to determine the occurrence of rancidity of fats, only when the process has reached a stage at which, in most instances, the fat is no longer suitable for utilization as food. Comparison of chemical

Card 1/2

MACHULIS, P. S. Cand Tech Sci -- (diss) "Comparative Study ~~of~~
the Rancidation^{of} of Fats^{by} by Organoleptic, Chemical, and Spectro-
photometric Methods" Mos, 1957. 16 pp, 1 sheet of suppl. text,
20 cm. (Min of Commerce USSR, Mos Order of Labor Red Banner Inst
of National Economy im G. V. Plekhanov), 100 copies (KL, 26-57, 108)

MACHULIS, P.

Determining the rancidity of milk fat by molecular spectrum analysis. Moloch. prom. 18 no.6:31-32 '57. (MLRA 10:6)

1. Vil'nyuskiy gosudarstvennyy universitet imeni Kapuskasa.
(Milk--Analysis) (Spectrum analysis)

MACHUKA, G. A.

М. А. Мачук
Управление автоматизированных систем радиотехнических
инструментальных систем

18 июня
(с 18 до 22 часов)

М. М. Басаринский,
Р. А. Границкий
Задачи теории систем с нелинейными элементами
для ЛИС

С. Г. Коваленко
Особенности систем с бегущей волной

М. М. Кудряков,
М. М. Галицкий,
М. М. Калашин,
М. М. Мещеряков

Исследования нелинейных систем в пространстве
взаимодействия приборов СВЧ с помощью автомата
для построения траекторий перемещения частиц

Г. А. Мачук

Г. А. Мачук

Задачи теории систем с бегущей волной для построения траекторий перемещения частиц

24

11 июня

(с 19 до 19 часов)

Совместное заседание с секцией ферритовых
устройств СВЧ

В. Н. Зубов, М. С. Милослав

Нелинейные системы теории параметрических усилителей

В. Н. Тимченко

К теории ферритовых усилителей

В. Н. Тимченко

Ю. В. Доронин

В. В. Корочин

Экспериментальные исследования ферритовых усилителей

А. Я. Мещеряков

М. М. Мещеряков

Исследования результатов исследования ферритовых усилителей

А. С. Топор

К теории параметрических усилителей с обратной связью

25

report submitted for the Centennial Meeting of the Scientific Technological Society of
Radio Engineering and Electrical Communications in A. S. Popov (VSE), Moscow,
8-12 June, 1959

L 21520-66 EWT(1)/EWA(h) JM

ACC NR: AP6007500

SOURCE CODE: UR/0109/66/011/002/0237/0243

AUTHOR: Yur'yev, V. I.; Machulka, G. A.

ORG: none

TITLE: Experimental investigation of the suppression of near-carrier l-f fluctuation in a power TW-tube output

SOURCE: Radiotekhnika i elektronika, v. 11, no. 2, 1966, 237-243

TOPIC TAGS: traveling wave tube, signal noise separation

ABSTRACT: The results of an experimental investigation of the effect of secondary emission upon l-f noise in a 10-kv 10-kw cw TW-tube are reported. For controlling the collector secondary emission, a special ring electrode was mounted in the tube, between the collector and the delay-structure output end. Both the collector and the structure were grounded, while the ring received a negative potential (1200 to 2000 v) from a special h-v rectifier. Mainly, the ring electrode repelled secondary slow electrons toward the collector; this resulted in decreasing the secondary-electron volume density and also the ion density. Through lowering the collector-region potential with respect to the beam potential by 10%, the phase noise could be reduced by 10-15 db. Orig. art. has: 8 figures and 5 formulas. [03]

SUB CODE: 09 / SUBM DATE: 30Oct64 / OTH REF: 004/ ATD PRESS: 4222

Card 1/1 dda

UDC: 621.385.632:621.391.822.3

MACHULKIN, M. N. Cand Tech Sci --) "Electrochemical ~~obtaining~~ of
alkali-metal bromates from bromides." ¹⁹⁵⁸ Len, Science ~~and Technology~~ Inst, State
Inst for Applied Chemistry, 1958. 15 pp (State Committee of the Council of
Ministers for Chemistry. State Order of Labor Red Banner Inst of Applied
Chemistry), 150 copies. Bibliography at end of text (13 titles) (KL, 36-58, 112)

MACHULKINA, M.F.

1
✓ Methylene bromide. S. I. Yavorskiy, V. Ya. Plotnikov,
M. M. Shimonova, M. F. Machulkina, E. G. Bezukladya,
V. V. Tribat, G. N. Arutyunov, and V. S. Dzyarenko.
U.S.S.R. 195,337, May 29, 1957. The bromination of CH₄
is carried out in the vapor phase over one or several of the
following substances as catalyst: natural Al silicates or
oxides, bromides, and silicates of metals of groups II, III,
IV, V, VI, or VIII of the periodic table. M. Hesch

9
1-4E3d
1-4E4x
1-4E2c (7)
2- may

11
72

SRPICHNITSKIY, Ye.S.; NACHAL'SKAYA, G.A.

Investigating changes in the composition and plasticity
of the copper-aluminum-magnesium alloy during hot pressure
working and during annealing. Trudy Giprotsetmetobrabotka
no.24:314-323 '65. (MIRA 18:11)

L 24430-66 EWT(m)/EWP(w)/T/EWP(t)/EWP(k) IJP(c) JD/HH/JH
ACC NR: AT6006484 SOURCE CODE: UR/2680/65/000/024/0314/0323

AUTHORS: Shpichinetskiy, Ye. S.; Machul'skaya, G. A.

ORG: State Scientific Research and Design Institute of Alloys and Nonferrous Metalworking, Moscow (Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut splavov i obrabotki tsvetnykh metallov)

TITLE: Investigation of changes in composition and plasticity of copper-aluminum-magnesium alloy as a result of high-temperature compression and annealing

SOURCE: Moscow. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut splavov i obrabotki tsvetnykh metallov. Trudy, no. 24, 1965. Metallovedeniye i obrabotka tsvetnykh metallov i splavov (Metal science and the treatment of non-ferrous metals and alloys), 314-323

TOPIC TAGS: *plasticity, copper, aluminum, magnesium, metal rolling, annealing,*
aluminum alloy, copper alloy, magnesium alloy/ Br.AMg6-1, MO copper,
AVOOO aluminum, Mg1 magnesium *alloy*

ABSTRACT: The object of the investigation was to determine the cause of the unsatisfactory performance of secondary electron emitters manufactured from the alloy Br.AMg6-1 with 5.2--6.0% Al, 0.9--1.3 Mg, and the rest Cu. It was suspected

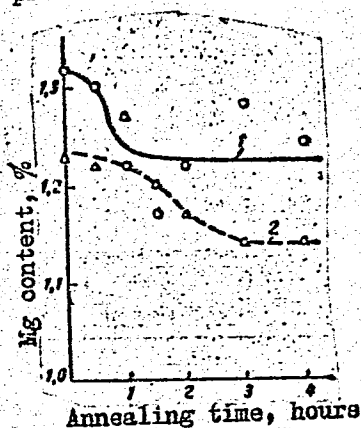
Card 1/3

L 24430-66

ACC NR: AT6006484

that the failure in performance was due to burning off of magnesium during rolling and annealing of the metallic filament. The alloy was prepared from copper MO. aluminum AVOOO, and magnesium Mg. The effect of annealing of the alloy specimens after hot and cold rolling at different temperatures and in different ambient media (air, ammonia, and vacuum) on the magnesium content and plasticity of the alloy was investigated. The experimental results are presented in graphs and tables (see Fig. 1).

Fig. 1. Change of the magnesium content of a Br.AL6-1 alloy ribbon as a function of the annealing time during annealing in air at 650C.
1 - 1.32% Mg; 2 - 1.23% Mg.



Card 2/3

L 24430-66

ACC NR: AT6006484

It was found that, during preheating for purposes of hot rolling and during annealing in air, the magnesium in the alloy Br.AMg6-1 undergoes selective oxidation. During subsequent etching of the ribbon, the magnesium oxide is dissolved, leading to a depletion of the magnesium content of the alloy. Neither the degree of compression nor the specimen thickness had any noticeable effect on the oxidation process. To obtain a soft ribbon of a given magnesium content, annealing must be carried out at 650C for a period of one hour in vacuum or in inert atmosphere, or, if air contact during annealing is unavoidable, in limited contact with air. In the latter case, the alloy should have a 1.3--1.4% initial magnesium content. Orig. art. has: 9 tables and 5 graphs.

SUB CODE: 11/3/SUBM DATE: none/ ORIG REF: 004

Card 3/3d10-

MACHUL'SKIY, A.A.

Subgroups of unsolvable groups. Uch. zap MGPI 108:129-133 '57.
(MIRA 11:12)

(Groups, Theory of)

MACHUL'SKIY, A.I., inzh. (g.Leningrad)

"Automatic" station operator. Zhel.dor.transp. 44 no.7:61-64
Jl '62. (MIRA 15:8)
(Railroads—Stations) (Automatic control)

MACHUL'SKIY, E.

35189. Opredeleeniye Malykh Kolichestv Fosfornoy Kisloty Osazhdeniem Molibdatom Ammoniya. Uchen. Zapiski (Latv. Gos. Un-T), Khim. Fak., T.1, 1949, s. 67-71. -- Na Latysh. Yaz.- Reriyume Na Rus. Yaz.

SO: Letopis' Zhurhal'nykh Statey, Vol. 48, Moskva, 1949

YAMPOL'SKIY, E.M., inzh.; MACHUL'SKIY, F.F., inzh.; MUZGIN, S.S., kand.
tekhn. nauk

Using self-propelled equipment in mines of the Novomoskovsk
Gypsum Combine. Gor. zhur. no.4:6-10 Ap '65. (MIRA 18:5)

1. Novomoskovskiy gipsovyi kombinat (for Yampol'skiy, Machul'skiy).
2. Institut gornogo dela AN Kazakhskoy SSR (for Muzgin).

MACHUL'SKIY, L. M.

MACHUL'SKIY, L. M. - "The Bone Marrow in Punctures and Sections." Central Inst.
for the Advanced Training of Physicians, Moscow, 1955
(Dissertation for the Degree of Candidate in Medical Sciences)

SO: Knizhnaya Letopis', No. 33, 1955, pp 85-87

MACHUL'SKIY, L.M.

MACHUL'SKIY, L.M.

Method of biopsy of the bone marrow of the ilium in diseases of the blood system. Sov.med.19 no.8:76-77 Ag '55 (MLRA 8:10)

1. Iz III kafedry terapii (zav.-zasluzhennyy dyatel' nauk prof. I.A.Kassirskiy) Tsentral'nogo instituta usovershenstvovaniya vrachey i kafedry patologicheskoy anatomii (i.o.zav. A.N. Knyazev) Molotovskogo meditsinskogo instituta. (dir.prof. I.I.Kositsyn)

(BONE MARROW

long bones, biopsy methods in blood dis.)

(BLOOD, diseases

diag., long bones marrow biopsy, method)

MACHUL'SKIY, P.

Shorten the time needed for ship repairs and reduce their cost.
Mor. flot 21 no.12:26-28 D '61. (MIRA 14:12)

1. Glavnyy inzh. Glavsudkhoza Ministerstva morskogo flota.
(Ships--Maintenance and repair)

MACHUL'SKIY, S.N.:

(Candidate of Veterinary Sciences, Ulan-Ude Veterinary Experimental Station. "Heavy coal oil against ectoparasitic diseases of agricultural animals."

SO: Veterinariya Vol. 20: No. 2: February 1943 Unclassified (Tabcon)

MACHUL'SKIY, S. N.

MACHUL'SKIY, S. N. and SUETIN, V. YA. (Lecturers, Buryat-Mongol Zooveterinary Institute). Antiscobin - A new anti-mange preparation.

So: Veterinariya; 23; 1; January 1946; Encl. 1.
TABCON

MACHUL'SKIY, S. N.

MACHUL'SKIY, S. N. (Candidate of Veterinary Sciences, Buryat-Mongol Scientific Research Veterinary Experimental Station). Utilization of DDT in pediculosis and mange.

So: Veterinariya; 23; 7; July 1946; Uncl.
TABCON

MACHUL'SKIY, S. N. AND KOSAREV, M. G.

"Microscopy data on kerato-conjunctivitis in sheep," Trudy Buryat-Mongol. Zoovet. in-ta, Issue 4, 1948, p. 68-72

SO: U-3850, 16 June 53, (Letopis 'Zhurnal 'nykh Statey, No. 5, 1949).

MACHUL'SKIY, S. N.

"Parasites of the muskrat, acclimated to Buryat-Mongolian ASSR," Trudy Buryat-Mongol. Zoovet in-ta, Issue 4, 1948, p. 73-78 Bibliog: 5 items

SO: U-3850, 16 June 53, (Letopis 'Zhurnal 'nykh Statey, No. 5, 1949).

MACHUL'SKIY S. N.

"Helminthofauna (intestinal worms) in sables of the Trans-Baykal and Eastern Siberia," Trudy Buryat-Mongol. Zoovet. in-ta, Issue 4, 1948, p. 79-84

SO: U-3850, 16 June 53, (Letopis 'Zhurnal 'nykh Statey, No. 5, 1949).

MACHUL'SKIY, S. M. AND PINEVICH, G. V.

"Coccidia of squirrels of Buryat-Mongolia." Trudy Buryat-Mongol. Zoovet. in-ta, issue ,
1948, p. 85-88

SO: U-3850, 16 June 53, (Letopis 'Zhurnal 'nykh Statey, No. 5, 1949).

MACHUL'SKIY, S. N.

Mbr., Buryat-Mongol Zoologico-Vetinary Inst., Ulan-Ude, -c1949-.

Zoology.

"Helminths Found in Sables of Buryat Mongolia,"

SO: Dok. AN, 69, No. 4, 1949. *4017*

MACHUL'SKIY, S. N.

V. S. Makarov. Pamyatka po bor'be s glistnymi zabol evaniyami sel'skokhozyaystvennykh zhivotnykh (Handbook on the Fight Against Helminthis Diseases in Farm Animals). Ulan Ude. Burmongiz. 1951. 64 pages with illustrations.

U-5235

MACHULISHTY, S. M. and MAZUREK, V. B.

1951 *Nicotiana glauca* L. var. *Nicotiana glauca* L. var. *Nicotiana glauca* L.
zoovetinstytut, vyp. 1. str. 96-100.

MACHUL'SKII, S. N.; KNUDYAKOV, M. A.; ELESEYEV, K. M.

Agricultural Chemicals

Use of cinders as a filler in hexachlorane dust. Veterinariia. 29, no. 10, 1952.

Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

MACHUL'SKIY, S.N.; MAKAROV, V.S.

New parasite of sables. Trudy VNIIO no.13:214-216 '53. (MLRA 7:5)
(Nematoda) (Parasites--Sables) p 641*

p 668 * Vsesoyuznyy nauchno-issledovatel'skiy institut okhotnich'ego promysla
(All-Union Sci. Research Inst. of the Hunting Industry) Trudy - Transactions.
Moscow

*Preferred translation VNIIO - ... okhotnogo promysla - of Trapping